BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Providing metalling and Asphalting to 4th block Doddabommasandra and surrounding roads of Venugopalaswamy temple in Ward No. 10.

					Estimate Cost:				1750000.00
Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **No. 149/ Item No. 19.1/ PWD SR 2011-12.**	Cum							
	UGD Road cutting								
	Doddabommasandra 4th block (Ananthram hotel)		1	195.00	0.60	0.20	23.40		
	From venugopalswamy temple to Burning yard		1	210.00	0.60	0.20	25.20		
	cross roads		1	70.00	0.60	0.20	8.40		
			1	70.00	0.60	0.20	8.40		
	G. Krishnamurthy road		1	100.00	0.60	0.20	12.00		
	Cross road		1	95.00	0.60	0.20	11.40		
	DB sandra Govt school to Venugoplswamy temple		1	61.00	0.60	0.20	7.32		
				801.00					
	House connections		160.2	2.50	0.60	0.20	48.06		
							144.18	62.86	**9063.15**
		(Rate as per Rate Analysis Enclosed)							
2	Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100 m. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications .Page No. 171/ Item No. 21.3/ PWD SR 2011-12	Sqm							
	Ashwath katte road		1	195.00	4.50		877.50		
			1	210.00	4.50		945.00		
	cross roads		1	70.00	4.50		315.00		
			1	70.00	4.50		315.00		
	3rd cross		1	100.00	4.50		450.00		
	Burial ground road		1	95.00	4.50		427.50		
	GK Muniyappa cross roads		1	61.00	4.50		274.50		
							3604.50	68.36	246404
		(Rate as per Rate Analysis Enclosed)							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, **Page No. 166/ Item No. 20.18/ PWD SR 2011-12**	Cum							
	UGD Road cutting								
	Ashwath katte road		1	195.00	0.60	0.20	23.40		
			1	210.00	0.60	0.20	25.20		
	cross roads		1	70.00	0.60	0.20	8.40		
			1	70.00	0.60	0.20	8.40		
	3rd cross		1	100.00	0.60	0.20	12.00		
	Burial ground road		1	95.00	0.60	0.20	11.40		
	GK Muniyappa cross roads		1	61.00	0.60	0.20	7.32		
	House connections		160.2	2.50	0.60	0.20	48.06		
	Ashwath katte road		1	195.00	4.50	0.10	87.75		
			1	210.00	4.50	0.10	94.50		
	cross roads		1	70.00	4.50	0.10	31.50		
			1	70.00	4.50	0.10	31.50		
	3rd cross		1	100.00	4.50	0.10	45.00		
	Burial ground road		1	95.00	4.50	0.10	42.75		
	GK Muniyappa cross roads		1	61.00	4.50	0.10	27.45		
							504.63	1060.56	**535190**
		(Rate as per Rate Analysis Enclosed)							
4	KSRB 500-1. Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air, to recieve bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications .Page No. 171/ Item No. 21.1/ PWD SR 2011-12	Sqm							
	Ashwath katte road		1	195.00	4.50		877.50		
			1	210.00	4.50		945.00		
	cross roads		1	70.00	4.50		315.00		
			1	70.00	4.50		315.00		
	3rd cross		1	100.00	4.50		450.00		
	Burial ground road		1	95.00	4.50		427.50		
	GK Muniyappa cross roads		1	61.00	4.50		274.50		
							3604.50	10.04	**36189**
		(Rate as per Rate Analysis Enclosed)							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRRB 500-9: providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed at 4 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface)including cost of all materials, labour, HOM of machineries complete as per specifications. **page No. 172/ Item No. 21.9/ PWD SR 2011-12**	Sqm							
			Qty Vide Item No. 11				3604.50		
							3604.50	**26.63**	**95988**
		(Rate as per Rate Analysis Enclosed)							
6	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick with 100-120 TPH** batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. -do- 25-30mm compacted thickmess with 5% bitumen 80/100 using 40-60 HMP usinf mechanical paver (Grading-II) **No. 174/ Item No. 21.20.5 / PWD SR 2011-12**	Cum							
	Ashwath katte road		1	195.00	4.50	0.025	21.94		
			1	210.00	4.50	0.025	23.63		
	cross roads		1	70.00	4.50	0.025	7.88		
			1	70.00	4.50	0.025	7.88		
	3rd cross		1	100.00	4.50	0.025	11.25		
	Burial ground road		1	95.00	4.50	0.025	10.69		
	GK Muniyappa cross roads		1	61.00	4.50	0.025	6.86		
							90.11	**9045.45**	**815108**
		(Rate as per Rate Analysis Enclosed)							
7	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.123)	Cum		"Lead to be got Approved"					
		Qty. Vide Item No. (1)							
							144.18	81.00	**11678.58**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00/km								
	Average weight of earth 1.28 tonne / kg for 5X1.28X2.00=12.80	12.80							
	Add loading and unloading Vide item no.17.1 P.no.118	62.20							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		75.00							
	Area Weightage @ 8%	6.00							
	Total	81.00							3-19=12
									1977.14
8	Miscellaneous and unforeseen charges	LS							1966.36
									37.1.12
								Total	1750000.00
(Rupees Seventeen Lakhs Fifty Thousand Only)									

CERTIFICATE:

1. Certified that I have personally inspected the area and prepared the Estimate.
2. Certified that the above estimate is prepared as per PWD SR 2011-12.
3. Certified that the work proposed in this estimate is not including in any other scheme.
4. This work is approved in POW 2011-12

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura SubDivision
B.B.M.P. Bangalore.

Executive Engineer
Byatarayanapura Division.
B.B.M.P. Bangalore.

ADMINISTRATIVELY SANCTIONED FOR Rs.17,50,000.00/=
Rupees Seventeen Lakhs fifty Thousand only
Under Plan Pow 11-12
Registered as JC (Y) No. 111 /12-13
Subject to conditions contained in
enclosed memo JC(Y) No. 111 /12-13
Dt. 11/05/12 Estimate A/Sanctioned
JC/Mel/AA/12-13 No. 111
dated 11/05/12 Rs. 17,50,000.00/-

11/5/12
Joint Commissioner
(Byatarayanapura)

Technical Sanction for Rs. 17,50,000=00
Seventeen lakhs fifty
Thousand only
under P-Plan P.O.W 11-12
registered as EE No: 07 /14-5-12 Subject
to conditions contained enclosed memo.
No: 07/12-13 / Dr. 14-5-12

AE/JE

14/5
EE (BTP. Div.)